<u>**AMENDMENTS TO THE CLAIMS**</u>

Claim 1 (Cancelled)

Claim 2 (Cancelled)

Claim 3 (Currently Amended) A communication system ~~as defined in Claim 1, wherein~~ <u>comprising (i) a plurality of communication terminals, each communication terminal having a relay function, and (ii) a host having a relay function and a route control function, wherein:</u>

<u>during a route search, a communication terminal of said plurality of communication terminals adds an ID of a self-terminal to a route search packet and broadcasts the route search packet over an area where communication is possible;</u>

<u>on receipt of a route search packet, said communication terminal of said plurality of communication terminals adds the ID of the self-terminal to the received route search packet if the ID of the self-terminal has not been added to the received route search packet, and broadcasts the received route search packet over the area where communication is possible;</u>

<u>said host obtains information of a route up to said communication terminal on a basis of the received route search packet, and notifies said communication terminal of the obtained route information;</u>

during data communication, said communication terminal creates route information data on ~~the~~ <u>a</u> basis of an ID of a destination terminal and IDs of relay terminals <u>located</u> between the self-terminal and ~~the~~ <u>said</u> host, ~~and~~ adds the route information data to a data packet<u>, and</u> transmits ~~to transmit~~ the data packet to ~~the~~ <u>said</u> host;

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on receipt of a data packet, said communication terminal transfers the received data

packet on ~~the~~ a basis of the route information data of the received data packet when a destination

terminal of the received data packet is not the self terminal; and

said host creates route information data between itself and the destination terminal on ~~the~~

a basis of the route information data of the received data packet when the destination terminal of

the received data packet is not the self-terminal, adds an ID of the destination terminal ~~ID~~ and

the created route information data to the received data packet, and transfers ~~transfer~~ the received

data packet to the destination terminal.

Claims 4-10 (Cancelled)

Claim 11 (Currently Amended)   A communication system ~~as defined in Claim 1, wherein~~

comprising (i) a plurality of communication terminals, each communication terminal having a

relay function, and (ii) a host having a relay function and a route control function, wherein:

during a route search, a communication terminal of said plurality of communication

terminals adds an ID of a self-terminal to a route search packet and broadcasts the route search

packet over an area where communication is possible;

on receipt of a route search packet, said communication terminal of said plurality of

communication terminals adds the ID of the self-terminal to the received route search packet if

the ID of the self-terminal has not been added to the received route search packet, and broadcasts

the received route search packet over the area where communication is possible;

said host obtains information of a route up to said communication terminal on a basis of

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the received route search packet, and notifies said communication terminal of the obtained route information;

said host creates pattern information of a route having a specific communication terminal as a relay terminal on ~~the~~ a basis of the route information obtained during the route search, and notifies each communication terminal of the created pattern information at an arbitrary timing or periodically;

on receipt of a data packet, said host transfers the received data packet on ~~the~~ a basis of the pattern information of the received data packet when ~~the~~ a destination terminal of the received data packet is not the self-terminal;

said communication terminal adds, to ~~a~~ the received data packet, pattern information of a route up to an arbitrary communication terminal, and transmits the received data packet having the pattern information of the route up to the arbitrary communication terminal added thereto; and

on receipt of ~~a~~ the data packet, said communication terminal transfers the received data packet on ~~the~~ a basis of the pattern information of the received data packet when the destination terminal of the data packet is not the self-terminal.

Claims 12-21 (Cancelled)